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(54) Title: DIAGNOSTIC AND THERAPEUTIC USE OF A GOLGI PROTEIN FOR NEURODEGENERATIVE DISEASES

(57) **Abstract:** The present invention discloses the differential expression of golgin-245 in specific brain regions of Alzheimer's dis-  
ease patients. Based on this finding, this invention provides a method for diagnosing or prognosticating a neurodegenerative disease,  
in particular Alzheimer's disease, in a subject, or for determining whether a subject is at increased risk of developing such a disease.  
Furthermore, this invention provides therapeutic and prophylactic methods for treating or preventing Alzheimer's disease and related  
neurodegenerative disorders using a gene coding for golgin-245. A method of screening for modulating agents of neurodegenerative  
diseases is also disclosed.

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